

FIG. 1

FIG. 2

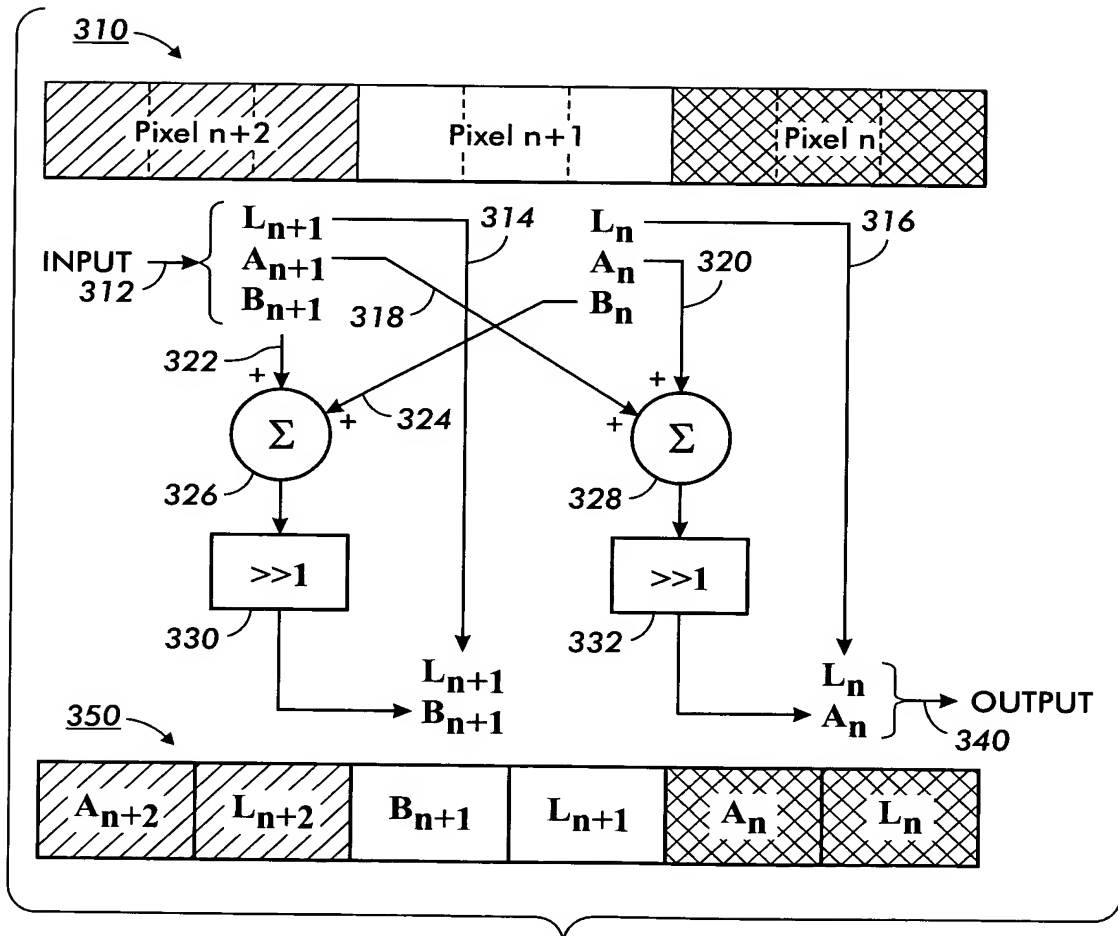
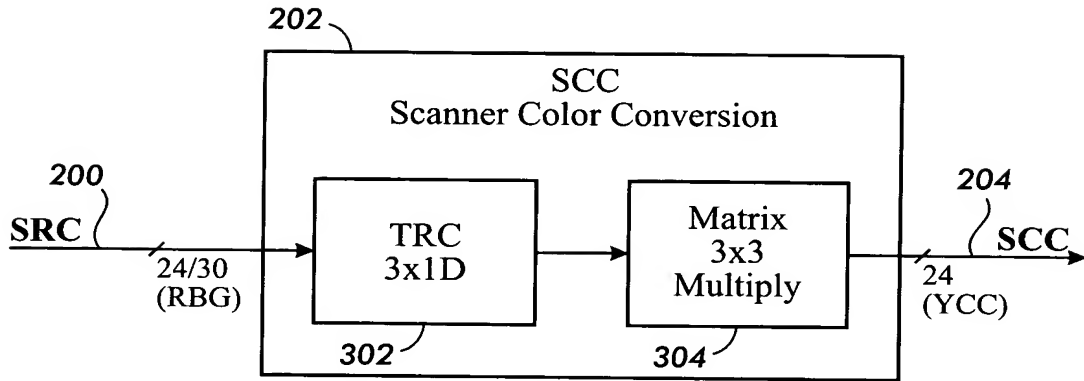
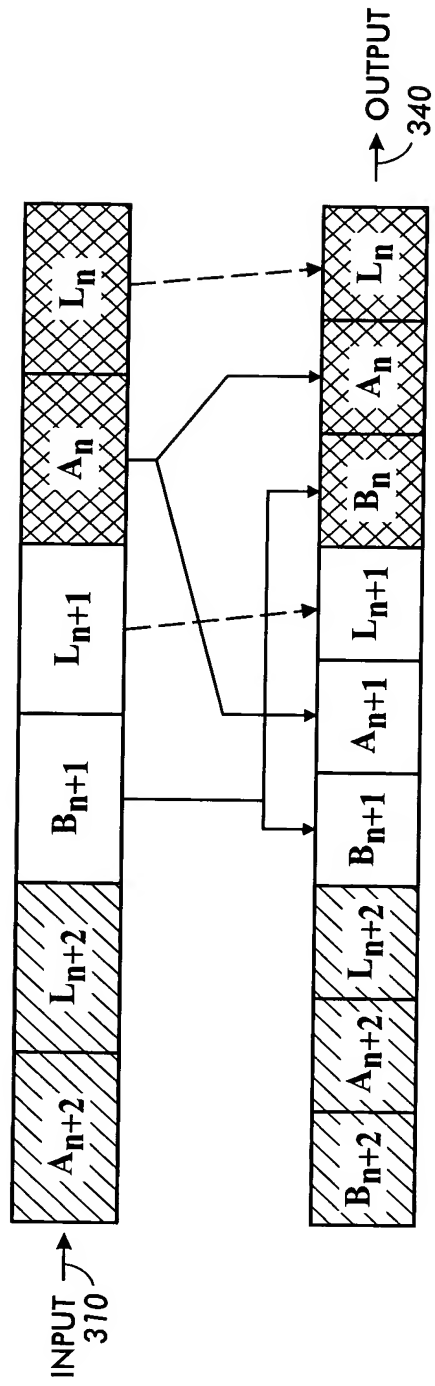
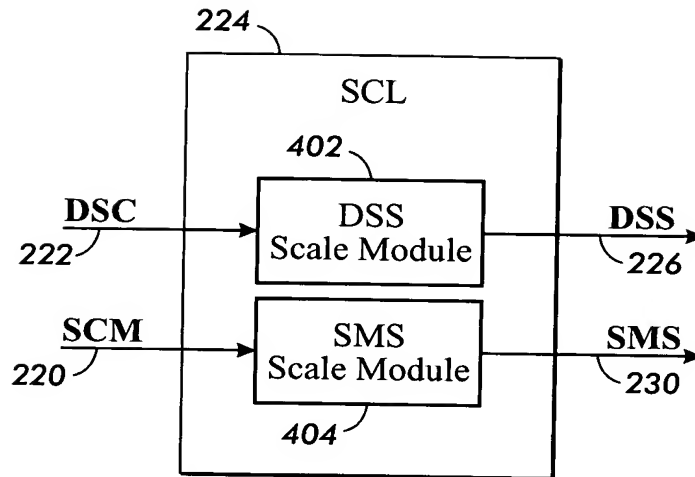


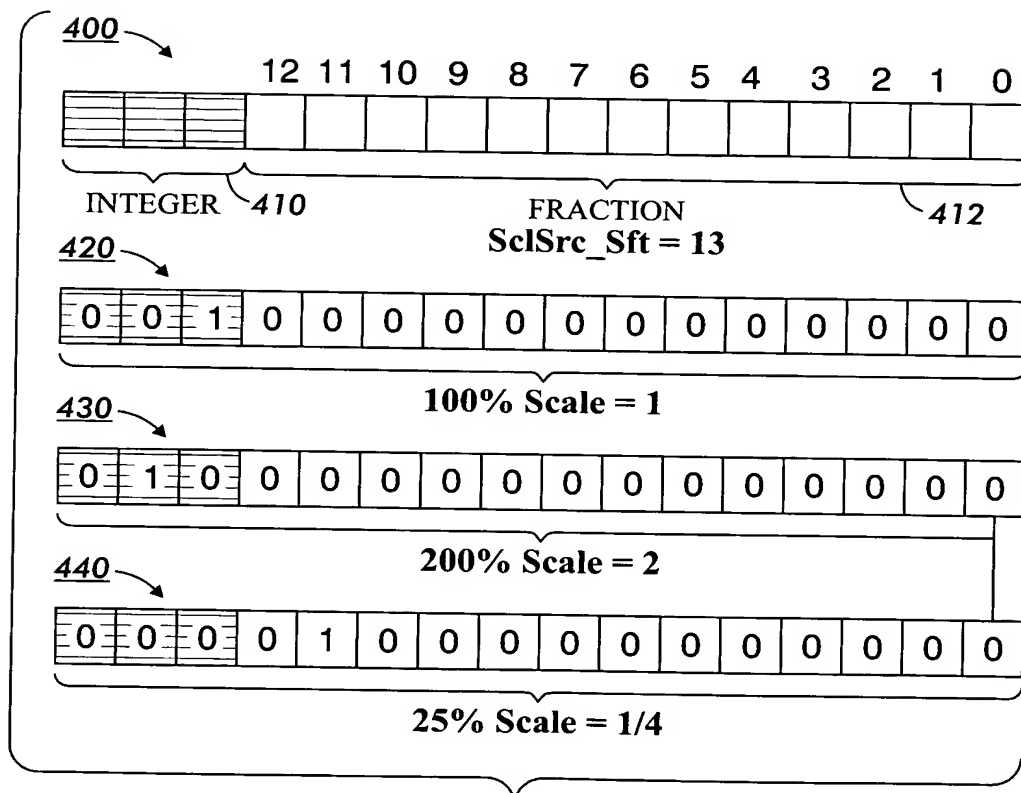
FIG. 3

FIG. 4





**FIG. 5**

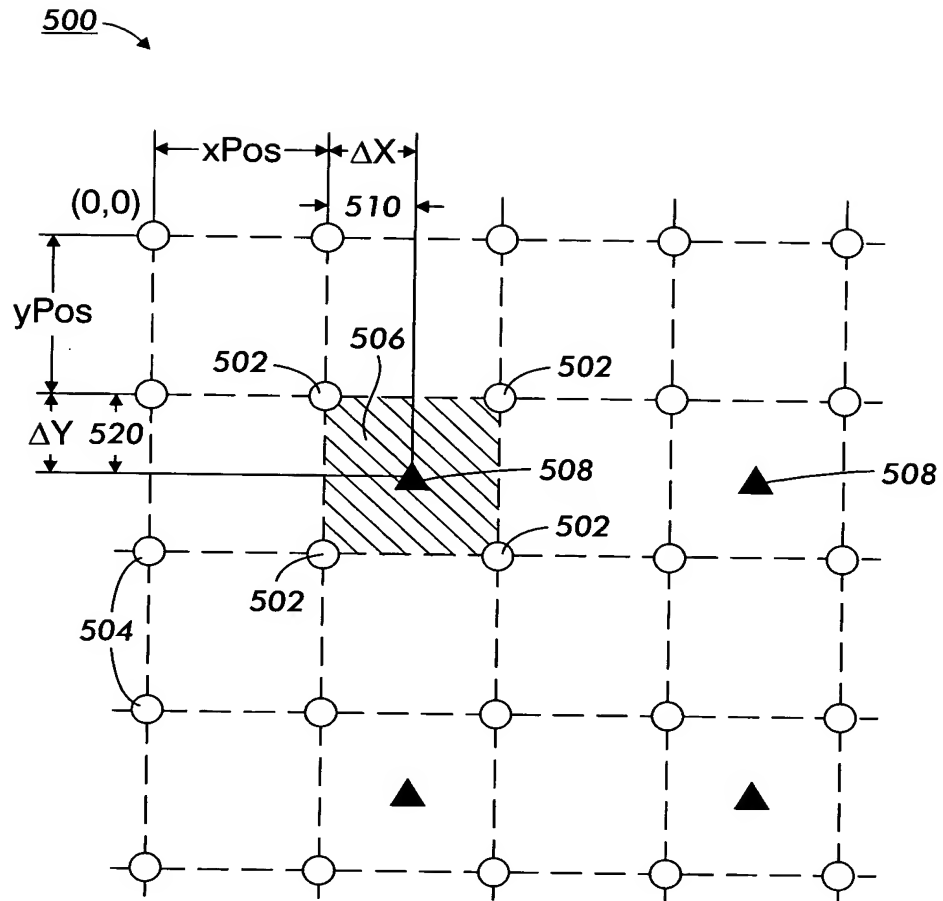


**FIG. 6**

450

| Variable   | Initialized to                                 | Meaning                            | Usage                     |
|------------|--|------------------------------------|---------------------------|
| ScISrc_Sft | 13   | Fixed (3.13)                       | Constant                  |
| StpSrc_X   | $(1 < < \text{ScISrc\_Sft}) / \text{scale\_X}$ | $\Delta X$                         | X_Src_step                |
| StpSrc_Y   | $(1 < < \text{ScISrc\_Sft}) / \text{scale\_Y}$ | $\Delta Y$                         | Y_Src_step                |
| Mask       | $(1 < < \text{ScISrc\_Sft}) - 1$               | $1.0 - \varepsilon(1 \text{ LSB})$ | AND to obtain fraction    |
| Half       | $(1 < < \text{ScISrc\_Sft}) > > 1$             | 0.5                                | may be added for rounding |

FIG. 7

**FIG. 8**

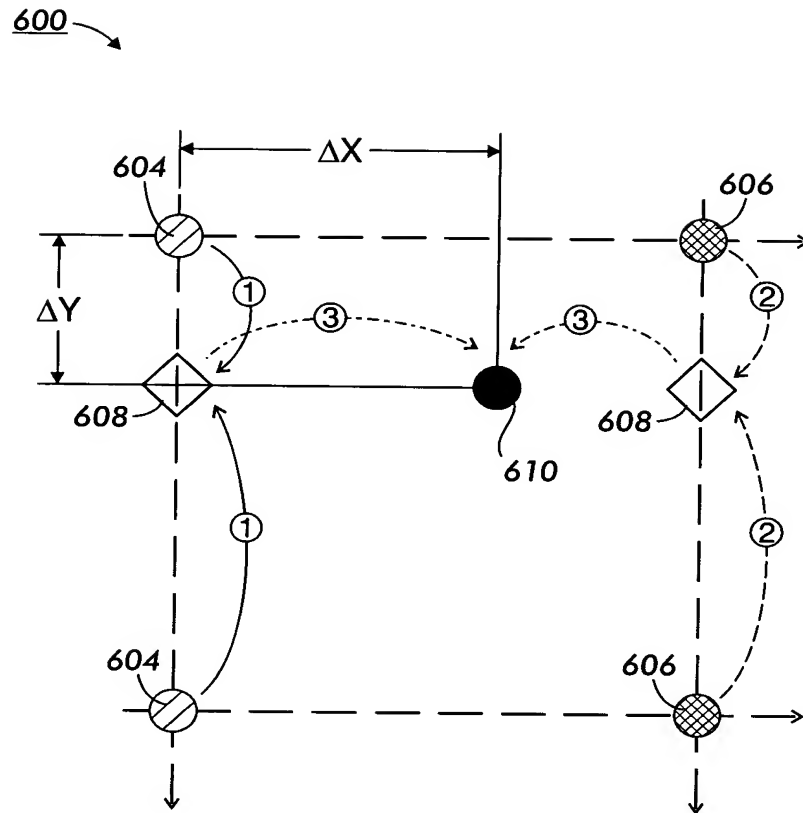


FIG. 9

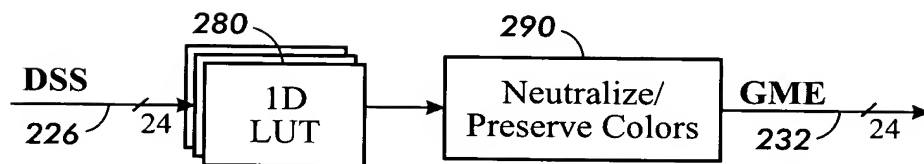


FIG. 10

FIG. 11

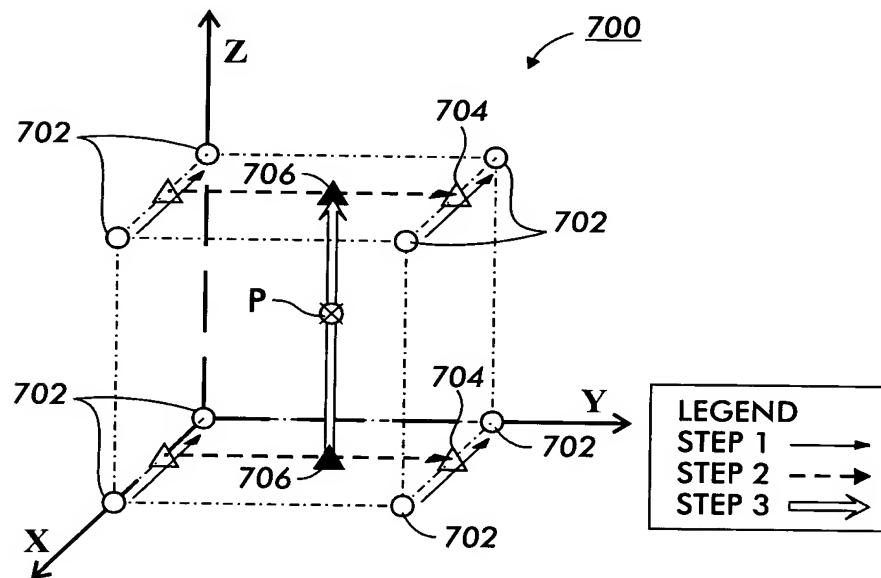
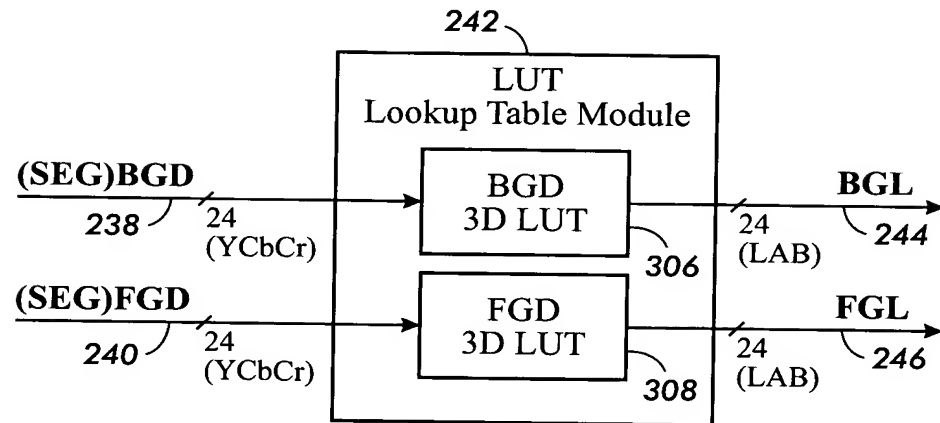
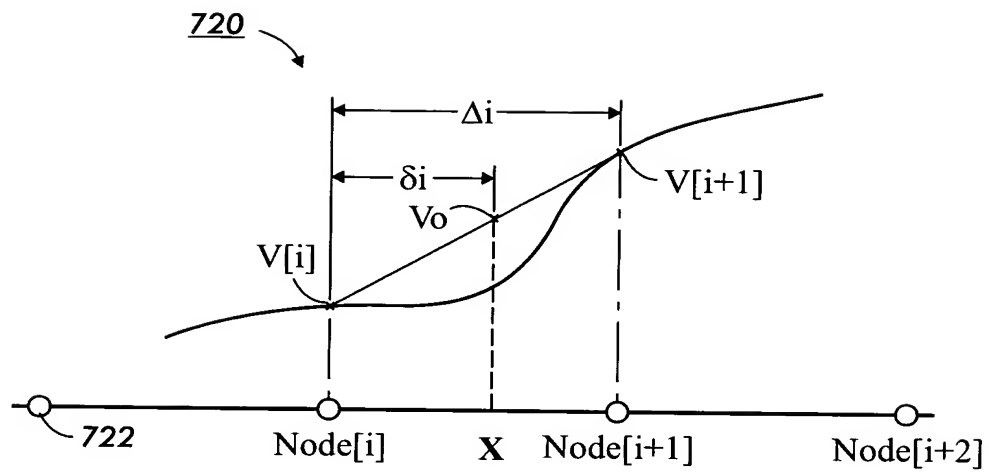


FIG. 12



**FIG. 13**

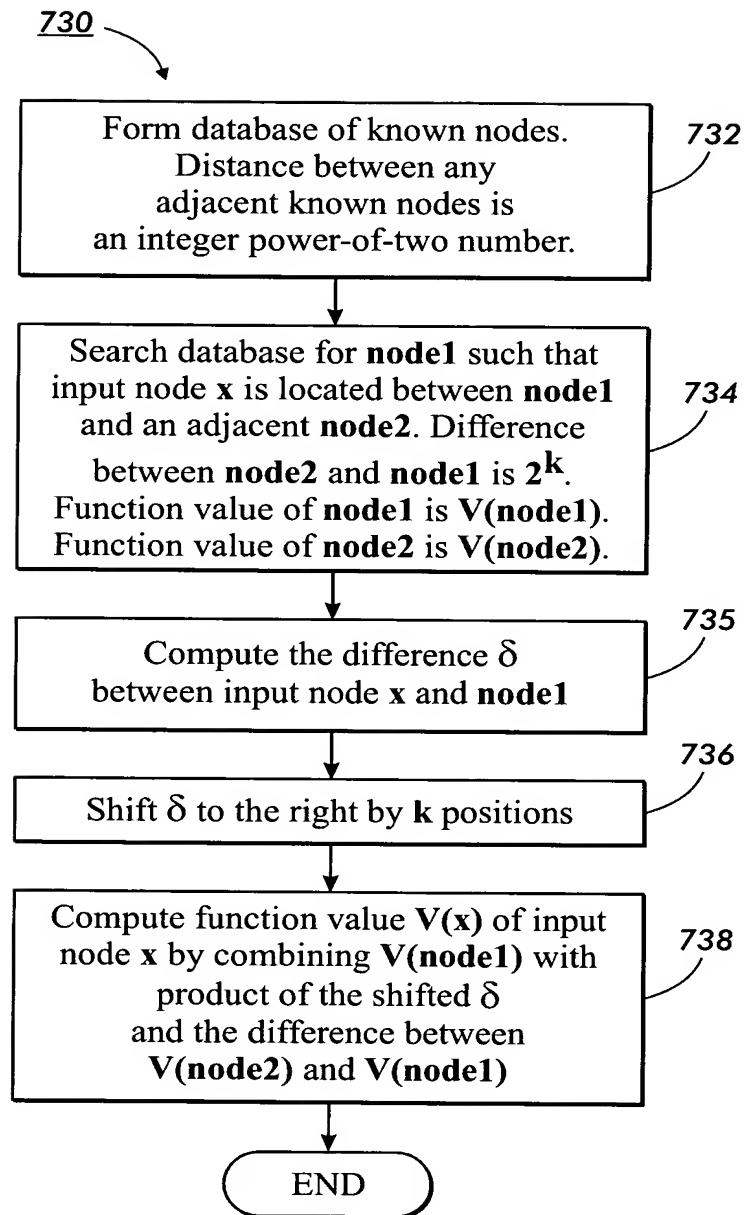


FIG. 14

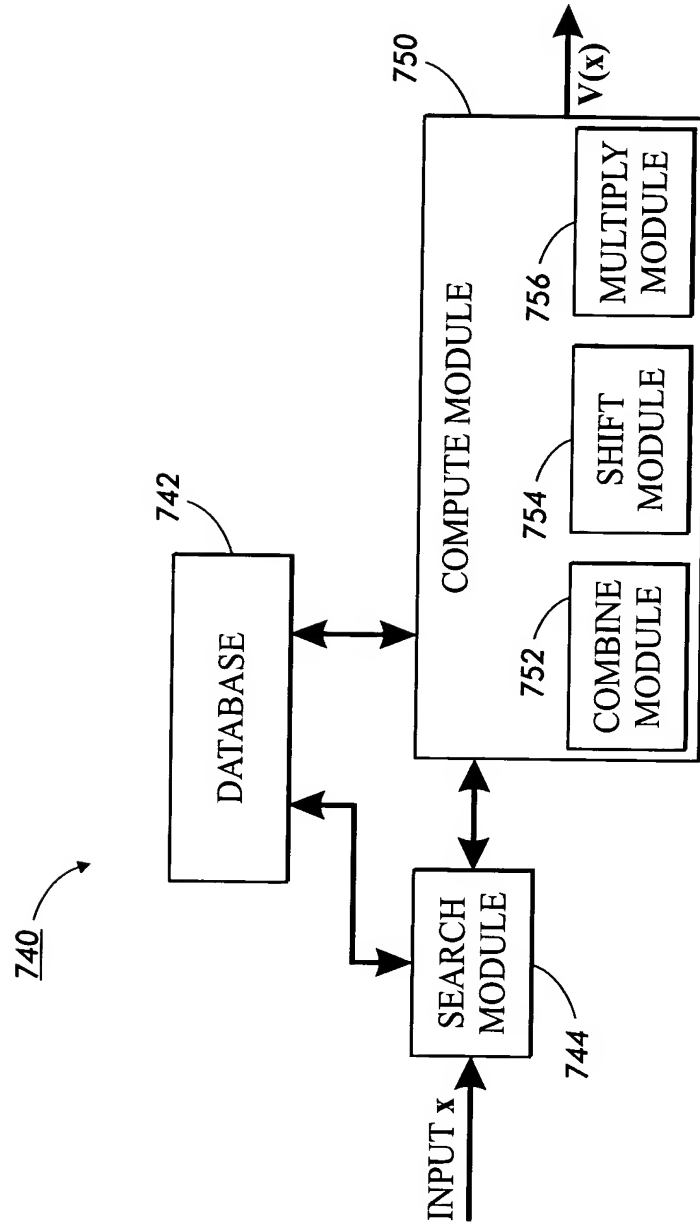



FIG. 15

**FIG. 16**

760 ↗

| nodeIndex | nodeValue | EXPONENT |
|-----------|-----------|----------|
| 0         | 0*        |          |
| 1         | 4         | 2        |
| 2         | 8         | 2        |
| 3         | 16        | 3        |
| 4         | 32        | 4        |
| 5         | 48        | 4        |
| 6         | 64        | 4        |
| 7         | 80        | 4        |
| 8         | 96        | 4        |
| 9         | 112       | 4        |
| 10        | 128       | 4        |
| 11        | 144       | 4        |
| 12        | 160       | 4        |
| 13        | 176       | 4        |
| 14        | 192       | 4        |
| 15        | 224       | 5        |
| 16        | 255       | 5        |


770



| nodeIndex | nodeValue | EXPONENT |
|-----------|-----------|----------|
| 0         | 0*        |          |
| 1         | 16        | 4        |
| 2         | 32        | 4        |
| 3         | 64        | 5        |
| 4         | 128       | 6        |
| 5         | 192       | 6        |
| 6         | 256       | 6        |
| 7         | 320       | 6        |
| 8         | 384       | 6        |
| 9         | 448       | 6        |
| 10        | 512       | 6        |
| 11        | 576       | 6        |
| 12        | 640       | 6        |
| 13        | 704       | 6        |
| 14        | 768       | 6        |
| 15        | 896       | 7        |
| 16        | 1023      | 7        |

**FIG. 17**

**FIG. 18**

780 

| <b>nodeIndex</b> | <b>nodeValue</b> | <b>EXPONENT</b> |
|------------------|------------------|-----------------|
| 0                | 0                |                 |
| 1                | 32               | 5               |
| 2                | 64               | 5               |
| 3                | 80               | 4               |
| 4                | 96               | 4               |
| 5                | 112              | 4               |
| 6                | 120              | 3               |
| 7                | 124              | 2               |
| 8                | 128*             | 2               |
| 9                | 132              | 2               |
| 10               | 136              | 2               |
| 11               | 144              | 3               |
| 12               | 160              | 4               |
| 13               | 176              | 4               |
| 14               | 192              | 4               |
| 15               | 224              | 5               |
| 16               | 255              | 5               |

(Origin at 128 for a\* and b\*)

**FIG. 19**

790

| nodeIndex | nodeValue | EXPONENT |
|-----------|-----------|----------|
| 0         | 0         | 5        |
| 1         | 32        | 4        |
| 2         | 48        | 4        |
| 3         | 64        | 4        |
| 4         | 80        | 3        |
| 5         | 88        | 2        |
| 6         | 92        | 2        |
| 7         | 96*       | 2        |
| 8         | 100       | 2        |
| 9         | 104       | 3        |
| 10        | 112       | 4        |
| 11        | 128       | 4        |
| 12        | 144       | 5        |
| 13        | 176       | 5        |
| 14        | 192       | 5        |
| 15        | 224       | 5        |
| 16        | 255       | 5        |

(Origin at 96 for Fax b\*)

FIG. 20

